

MISCELLANEOUS NOTES ON NEOTROPICAL FLORA XXII. IDENTIFICATION  
OF THE GENUS *PHYLLOSTELIDIUM* AND A FEW NEW COMBINATIONS  
IN THE COMPOSITAE

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ABSTRACT

The status of the Beauverd genus *Phyllostelidium* is clarified and its synonymy is presented. New combinations are provided for a few Senecioideae, six species of *Pentacalia* subgenus *Microchaetae*, and one *Lasiocephalus*. *Scrobicaria* Cassini is reduced to synonymy under *Pentacalia*.

KEY WORDS: Compositae, Inuleae, *Phyllostelidium*, Senecioneae, *Lasiocephalus*, *Pentacalia*, *Scrobicaria*

Identification of genus *Phyllostelidium* Beauverd.

In a 1915 meeting of the Soc. Botanique de Genève, G. Beauverd presented a note announcing a forthcoming publication of a new genus of the Compositae, Gnaphaliinae: *Phyllostelidium* represented by two peruvian species: *P. aretioides* and *P. pavonianum*.

The promised description was never published, but the characters given and its type species fixed in the short note presented by Beauverd in 1915 were sufficient enough to accept the generic name as a nomenclaturally valid publication:

"*Phyllostelidium*, a l'aspect de petites colonnettes feuillées que présentent les ramifications de cette plante a coussinet des hautes régions des Andes. Ce nouveau genre est caractérisé par la dioïcie absolue et la forme particulière du stigmate de ses fleurs femelles; il comprend jusqu'à présent deux espèces bien distinctes, le *Phyllostelidium aretiodeum* (Sch. Bip.) Beauverd, comb. nov., ancien

*Baccharis aretioides* Sch. Bip. figuré sous le nom de *Merope aretioides* Wedd. dans le "Chloris Andina: page 164 tab. 25A, puis le *P. pavonianum* Beauverd spece nouvelle des Andes de Pérou." (Bull. Soc. Bot. Genève, ser. 2, 7:185. 1916)."

The *Index Kewensis* listed the names of the genus and the two species. Willis (1973) also lists it as a proper genus; Grau (1977), in his systematic review of the Astereae, lists the genus as a synonym of *Baccharis*; Mabberley (1989), in the Plant Book, mentions *Phyllostelidium* as a synonym of *Baccharis*; Merxmuller *et al.* (1977), in their review of the Inuleae do not mention it at all; and neither do Dillon & Sagástegui (1991), in Flora of Perú.

Having had the opportunity myself to examine the collections cited by Beauverd and his annotations in the 'G' Herbarium, I obtained the evidence that *Phyllostelidium* Beauverd is a synonym of *Mniodes* A. Gray. Its type species is *Baccharis aretioides* Schultz Bip. which was already transferred to *Mniodes* by myself in 1954. But since *Baccharis aretioides* Schultz Bip. (1856) is an illegitimate homonym of *Baccharis aretioides* Turcz. (1851), a different species, according to the International Rules (Codex, Art. 81) the specific binomen *Mniodes aretioides* Cuatrec. must be considered a new name, instead of a new combination.

*Mniodes* A. Gray *ex* Bentham & Hooker, *Gen. Pl.* 2:301. 1876. Type species: *Antennaria andina* A. Gray = *Mniodes andina* (A. Gray) A. Gray.

*Phyllostelidium* Beauverd, Bull. Soc. Bot. Genève, Ser. 2, 7:185 (1915) 1916. Type species: *Baccharis aretioides* Sch. Bip. = *Merope aretioides* (Sch. Bip.) Weddell, = *Mniodes aretioides* Cuatrec.

*Mniodes aretioides* Cuatrec., *Folia Biol. And.* 1:3. 1954. *Baccharis aretioides* Schultz Bipontinus, 1856 (not Turczaninow 1851). *Phyllostelidium aretioides* (Schultz Bipontinus) Beauverd, Bull. Soc. Bot. Genève 7:185 (1916).

*Mniodes pulvinulata* Cuatrec., *Folia Biol. And.* 1:5. 1954. Synonym: *Phyllostelidium pavonianum* Beauverd, *nomen nudum* "coll. Pavon" (Ruiz & Pavón) Perú.

## New combinations in the Senecioneae

- Lasiocephalus stylotrichus** (Cabrera) Cuatrec., *comb. nov.* BASIONYM: *Senecio stylotrichus* Cabrera. *Notas Mus. La Plata* 15:107, fig. 15. 1950. TYPE: *Steinbach 3363*, cerro Hosana Sta. Cruz, BOLIVIA (LIL).
- Pentacalia plenaaurita** (Cuatrec.) Cuatrec., *comb. nov.* BASIONYM: *Senecio plenaauritus* Cuatrec., *Proc. Biol. Soc. Wash.* 77:154-155. 1964. TYPE: PERU. Chachapoyas: cerro Yama-uma, above Taulia, 3200-3450 m, *Wurdack 1669*; HOLOTYPE: US.
- Pentacalia miniaurita** (Sagást. & Dillon) Cuatrec., *comb. nov.* BASIONYM: *Senecio miniauritus* Sagástegui & Dillon, *Brittonia* 37:11-13, fig. 4. 1985. TYPE: PERU. Chachapoyas: Leimabamba-Balsas, 3400 m., *Dillon & Turner 1732*; HOLOTYPE: F.
- Pentacalia pavonii** (Weddell) Cuatrec., *comb. nov.* BASIONYM: *Culciturium pavonii* Weddell, *Chl. And.* 1:141. 1856. TYPE: PERU. *Pavón s.n.* (sine loc.); LECTOTYPE: G.
- Pentacalia curvidens** (Sch. Bip. ex Klatt) Cuatrec., *comb. nov.* BASIONYM: *Senecio curvidens* Schultz Bip. ex Klatt, *Lepoldina* 24:127. 1888. TYPE: PERU. Tatamara, *Lechler 2658*; HOLOTYPE: B.
- Pentacalia aquifolia** (Cuatrec.) Cuatrec. & H. Robinson, *comb. nov.* BASIONYM: *Gynozys aquifolia* Cuatrec., *Fieldiana* 27(1):12-13. 1950. TYPE: VENEZUELA. Parámo de Tamá, *Steyermark 57381*; HOLOTYPE: F. *Scrobicaria aquifolia* (Cuatrec.) B. Nord. *Opera Bot.* 44:64. 1978.
- Pentacalia ilicifolia** (L.f.) Cuatrec. & H. Robins., *comb. nov.* BASIONYM: *Stachelina ilicifolia* L.f., *Sp. Pl. Suppl.* 358. 1781. *Cacalia ilicifolia* (L.f.) Kunth in H.B.K., *Nov. Gen. Sp. Pl.*, ed. fol. 4:163 (1818). *Senecio scrobicaria* DC., *Prodr.* 6:422. 1838. *Gynozys ilicifolia* (L.f.) Weddell, *Chlor. And.* 1:80. 1856. *Scrobicaria ilicifolia* (L.f.) Nord., *Opera Bot.* 44:64. 1978.

The latter two combinations reflect the reduction of the genus *Scrobicaria* Cassini to synonymy under *Pentacalia*. The relationship between the species of *Scrobicaria* is very close to species already placed in *Pentacalia* subg. *Microchaete* (Benth.) Cuatrec., e.g., *P. guadalupe* Cuatrec., *P. andicola* (Turcz.) Cuatrec. The opposite leaves used to distinguish *Scrobicaria* cannot not be considered a reliable basis for separation at the generic level.

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